Philips 9000 series
Smart LED TV with
Ambilight Spectra XL and
Perfect Pixel HD

132 cm (52")
Full HD 3D Max DVB T/C/S2

52PFL9606K

Award winning performance

3 sided Ambilight and best picture quality

Awarded Best LCD TV by EISA for the last 10 years, the 9000 series brings innovation in picture and connectivity. Perfect Pixel HD Engine and LED Pro give you the most true to life images. Ambilight and 3D Max bring movies to life.

Intensify your viewing experience
- Ambilight Spectra XL, a new Ambilight for more immersion
- 3D Max for a truly immersive Full HD 3D experience

Award winning picture and sound performance
- Full HDTV and Perfect Pixel HD Engine for unrivalled clarity
- LED Pro for the world's most vivid 3D images
- 1000Hz Perfect Motion Rate (PMR) for superb motion sharpness
- Perfect Natural Motion for ultra smooth Full HD movies
- 40W SoundStage for dynamic powerful sound in a ultra slim TV

Enjoy the online world with Smart TV
- A wealth of online apps, videos to rent and catch-up TV
- Control the TV with your smart phone, tablet or keyboard
- Enjoy photos, music and movies from any device on your TV
- Find, schedule, record & pause TV
- Integrated Wi-Fi to use Net TV apps and SimplyShare wireless

SmartTV

A

PHILIPS
sense and simplicity

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Highlights

Ambilight Spectra XL

Ambilight Spectra XL enlarges the screen even further by projecting a glow of light that automatically changes according to the screen, from the back of the screen onto the surrounding wall. The colors of the halo support both relaxed and dynamic scenes, with a larger effect than before. The wall adaptive function ensures that the color of the light always matches the picture, no matter what the color of your wall is. Get the bigger picture with Ambilight.

3D Max

Be enthralled by 3D movies in your own living room with the 3D Max. The combination of the fast display and Active shutter glasses bring real life depth in Full HD resolution. Now all 2D content can be experienced in 3D and you can even control the depth of the 3D to your liking. Your TV is ready for the 3D Max experience by adding the 3D Max glasses PTA516 and a 3D compatible BluRay player.

Perfect Pixel HD

Experience unrivalled sharpness and clarity with Perfect Pixel HD Engine. Each pixel of the picture is enhanced to better match the surrounding pixels, for a more natural picture. The result is a unique combination of sharpness, natural detail, vivid colors, superior contrast and smooth natural motion whatever you are watching. Clean and razor sharp images result from artifact and noise detection and reduction in all content sources - from multimedia to standard TV. The Full HD screen with 1920 x 1080p pixels produces brilliant flicker-free progressive scan pictures with superb brightness.

Full HD LED Pro

Full HD LED Pro delivers extreme contrast and the world's most vivid 3D images. Enjoy breathtaking pictures and use up to 50% less energy with Philips award winning LED Pro! In the sleek thin design over 1000 LED's operate selectively in the display backlight. They generate brilliant light in bright image areas, and are dimmed completely in dark areas for the deepest black. Combined with the powerful Perfect Pixel HD Engine, the result is a stunning picture with extreme contrast, sharpness and vibrant color. With LED Pro black is black and white is bright.

1000Hz Perfect Motion Rate

1000Hz Perfect Motion Rate (PMR) creates extreme motion sharpness for clear and vibrant images in fast action movies. The new Philips PMR standard shows the combined visible effect with the fastest panel refresh rate, Perfect Natural Motion and unique processing formula, for unprecedented motion sharpness.

40W SoundStage

Philips SoundStage with 40W RMS output power has far more dynamism and power than anything heard on LCD TVs today. Now we can combine an ultra thin design with powerful TV sound. The TV stand houses an advanced ultra-thin speaker system. It combines deep, warm bass with excellent clarity. Also in wallmount position you can enjoy the excellent sound experience, thanks to advanced processing corrections. Enjoy great sound and a thin design.

SmartTV

Smart TV

Smart TV for an easier & wireless TV experience in 4 areas. Net TV lets you enjoy a wealth of online apps on your TV: rent movies, watch catch-up TV and enjoy social media. Stay in Control: change channels or enter text using your Smartphone or tablet. Use SimplyShare to enjoy photos, music and video from your computer, phone & tablet on your TV. Watch your favorite Program whenever you want: our program guide helps you with Smart USB recording.

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Energy Class A

For many years Philips has pro-actively been working on the reduction of both on-mode and standby power consumption of its televisions and as a result most Philips televisions has achieved green EU energy labels in 2010. The greener the label, the lower the on-mode power consumption and the lower your energy bill and friendlier to the environment.

ambilight
Perfect Pixel HD ENGINE
3D MAX
Full HD LED PRO
1000 Hz Perfect Motion Rate
NetTV
SimplyShare
WiFi
USB recording

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Specifications

Ambilight
- Ambilight Version: Ambilight Spectra XL
- Ambilight Features: Wall colour adaptive, Lounge light mode

Picture/Display
- Display: 2D segmented LED backlight
- Diagonal screen size: 52 inch / 132 cm
- Panel resolution: 1920x1080p
- 3D: 3D Max*, 2D to 3D conversion, 3D Depth adjustment, 2 Player Full Screen Gaming*
- Aspect ratio: 16:9
- Brightness: 500 cd/m²
- Peak Luminance ratio: 65 %
- Dynamic screen contrast: 5.000.000:1
- Response time (typical): 0.5 ms
- Picture enhancement: Perfect Pixel HD Engine, Perfect Natural Motion, ISF image calibration, Active Control + Light sensor, LED Pro, Wide Color Gamut display, Super Resolution, Local dimming LED backlight, Perfect Colors, Perfect Contrast, Scanning backlight, Segmented LED backlight, 1000 Hz Perfect Motion Rate

Sound
- Output power (RMS): 40W (2 x 20W)
- Sound Enhancement: Auto Volume Leveller, Clear Sound, Incredible Surround, Treble and Bass Control
- Loudspeaker types: Soundstage stand enclosure

Smart TV Applications
- Control: MyRemote app (iOS & Android), USB Keyboard & Mouse support
- SimplyShare: DLNA media browser, USB media browser, WiFi MediaConnect*
- Net TV: Catch-up TV, Online Video stores, Open Internet browser, Online apps
- Program: Pause TV, USB recording

Connectivity
- Number of HDMI connections: 4
- HDMI features: 3D, Audio Return Channel
- EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, Plug & play add to Homescreen, Auto subtitle shift (Philips), Pixel Plus link (Philips), One touch play
- Number of component in (YPbPr): 1
- Number of scarts (RGB/CVBS): 1
- Number of USBs: 2
- Other connections: Antenna IEC75, Antenna F-type, Common Interface Plus (CI+), Ethernet-LAN RJ-45, SD card slot (Videostore), Digital audio out (optical), PC-in VGA + Audio L/R in, Headphone out, Service connector
- Wireless connections: WiFi Certified
- Satellite antenna inteface: DiSEq 1.0

Multimedia Applications
- Video Playback Formats: Codec support:, Containers: AVI, MKV, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, WMV9/VC1
- Music Playback Formats: AAC, MP3, WMA (v2 up to v9.2)
- Picture Playback Formats: JPEG
- Net TV: Included

Supported Display Resolution
- Computer inputs: up to 1920x1080 @ 60Hz
- Video inputs: 24, 25, 30, 50, 60 Hz, up to 1920x1080p

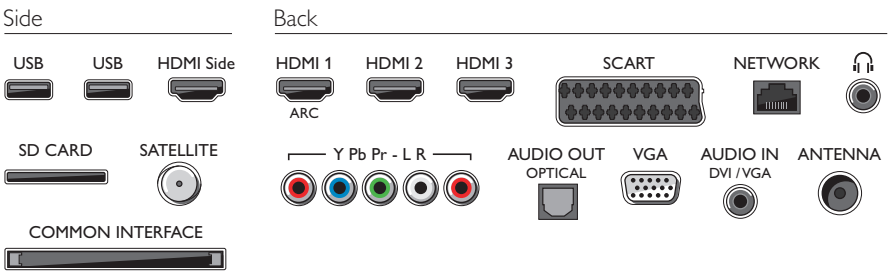
Convenience
- PC network link: DLNA 1.5 certified
- Electronic Program Guide: 8day Electronic Program Guide*
- Ease of Installation: Auto detect Philips devices, Channel installation wizard, Device connection wizard, Network installation wizard, Settings assistant wizard, 2-in-1 Wallmount Stand
- Ease of Use: One-stop Home button, Onscreen Usermanual, Touch control buttons
- Screen Format Adjustments: Autofill, Autozoom, Movie expand 16:9, Super Zoom, Unscaled, Widescreen
- Signal strength indication
- Teletext: 1200 page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade

Tuner/Reception/Transmission
- Digital TV: DVB-C MPEG2*, DVB-C MPEG4*, DVB-S2 MPEG4 HD, DVB-T MPEG2*, DVB-T MPEG4*, DVB-S HD+ support (Astra)
- Video Playback: NTSC, PAL, SECAM
- LNB: 1 to 4 LNBs supported

Power
- Mains power: AC 220 - 240 V 50/60Hz
- Ambient temperature: 5 °C to 35 °C
- Energy Label Class: A
- Eu Energy Label power: 102 W
- Annual energy consumption: 142 kW h
- Standby power consumption: <0.1 W
- Power Saving Features: 0 Watt Power-off switch, Auto switch-off timer, Eco mode, Eco settings menu, Light sensor, Picture mute (for radio)
- Presence of lead: Yes*
- Off mode power consumption: < 0.01 W

Dimensions
- Set dimensions (W x H x D): 1217 x 736 x 39 mm
- Set dimensions with stand (W x H x D): 1217 x 793 x 274 mm
- Product weight: 28 kg
- Product weight (+stand): 31 kg
- VESA wall mount compatible: 400 x 200 mm

Connections



* 3D TV requires Accessory PTA516 (Active shutter glasses), a 3D compatible source device, and 3D source material.
* 3D Max two player gaming is only supported by 3D Max TVs with following set types: 58pfl9956, 46pfl9706, 37pfl9606, 52pfl9606, 46pfl8686, 40pfl8606, 46pfl8606
* Net TV: Visit www.philips.com/smarttv to discover the services offering in your country.
* Wi-Fi Media connect: The playback of video can be affected by your PC speed and Wi-Fi bandwidth. For minimum and recommended system requirements go to www.philips.com/wifimediaconnect. Displays content with a delay of some seconds. Small differences of image and sound can occur.
* Parents should monitor their children during 3D viewing and ensure they do not experience any discomfort as mentioned above. Watching 3D is not recommended for children under 6 years of age as their visual system is not fully developed yet.
* The TV supports DVB reception for 'Free to air' broadcast. Specific DVB operators may not be supported. An up to date list can be found in the FAQ section of the Philips support website. For some operators Conditional Access and subscripction are required. Contact your operator for more information.
* 8 days EPG, service not available in all countries
* USB pause and recording requires an empty USB Hard Disk of at least 32GB, recommended is 250GB (not supplied). Function available only for DVB-T C and S channels, not on analog broadcast or external inputs.
* USB recording only for digital channels covered by the TV IP bases Electronic Programme Guide (country and channel restrictions may apply), recordings may be limited by broadcast copy protection (CI+). An internet connection is required.
* Annual energy consumption is calculated using the typical power consumption 4 hours per day, 365 days per year.
* This television contains lead only in certain parts or components where no technology alternatives exist in accordance with existing exemption clauses under the RoHS Directive.
* ISF and IMAGING SCIENCE FOUNDATION are Trade Marks owned by Isf Research Labs Llc Limited Liability Company
* For 2D games only.
* Ensure that the game console is connected to the HDMI connector of the TV.

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